SEQUENCE LISTING

<110> alcedo biotech GmbH

<120> Use of HMGB, HMGN, HMGA proteins

<130> A 10009 PCT

<160> 64

<170> PatentIn version 3.1

<210> 1

<211> 107

<212> PRT

<213> Homo sapiens

<400> 1

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1               5                  10                  15

Glu Lys Asp Gly Thr Glu Lys Arg Gly Arg Gly Arg Pro Arg Lys Gln
            20                  25                  30

Pro Pro Val Ser Pro Gly Thr Ala Leu Val Gly Ser Gln Lys Glu Pro
        35                  40                  45

Ser Glu Val Pro Thr Pro Lys Arg Pro Arg Gly Arg Pro Lys Gly Ser
    50                  55                  60

Lys Asn Lys Gly Ala Ala Lys Thr Arg Lys Thr Thr Thr Thr Pro Gly
65                  70                  75                  80

Arg Lys Pro Arg Gly Arg Pro Lys Lys Leu Glu Lys Glu Glu Glu Glu
                85                  90                  95

Gly Ile Ser Gln Glu Ser Ser Glu Glu Glu Gln
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<210> 2

<211> 96

<212> PRT

<213> Homo sapiens

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Met Ser Glu Ser Ser Ser Lys Ser Ser Gln Pro Leu Ala Ser Lys Gln
1               5                   10                  15

Glu Lys Asp Gly Thr Glu Lys Arg Gly Arg Gly Arg Pro Arg Lys Gln
            20                  25                  30

Pro Pro Lys Glu Pro Ser Glu Val Pro Thr Pro Lys Arg Pro Arg Gly
        35                  40                  45

Arg Pro Lys Gly Ser Lys Asn Lys Gly Ala Ala Lys Thr Arg Lys Thr
    50                  55                  60

Thr Thr Thr Pro Gly Arg Lys Pro Arg Gly Arg Pro Lys Lys Leu Glu
65                  70                  75                  80

Lys Glu Glu Glu Glu Gly Ile Ser Gln Glu Ser Ser Glu Glu Glu Gln
                85                  90                  95
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<210> 3

<211> 109

<212> PRT

<213> Homo sapiens

<400> 3

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Met Ser Ala Arg Gly Glu Gly Ala Gly Gln Pro Ser Thr Ser Ala Gln
1               5                   10                  15

Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro
            20                  25                  30

Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro
        35                  40                  45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala
    50                  55                  60
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Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro
65 70 75 80

Arg Lys Trp Pro Gln Gln Val Val Gln Lys Lys Pro Ala Gln Glu Glu
85 90 95

Thr Glu Glu Thr Ser Ser Gln Glu Ser Ala Glu Glu Asp
100 105

<210> 4

<211> 83

<212> PRT

<213> Homo sapiens

<400> 4

Met Ser Ala Arg Gly Glu Gly Ala Gly Gln Pro Ser Thr Ser Ala Gln
1 5 10 15

Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro
20 25 30

Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala
50 55 60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro
65 70 75 80

Arg Lys Trp

<210> 5

<211> 90

<212> PRT

<213> Homo sapiens

<400> 5

Met Ser Ala Arg Gly Glu Gly Ala Gly Gln Pro Ser Thr Ser Ala Gln
1 5 10 15

Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro
20 25 30

Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala
50 55 60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro
65 70 75 80

Arg Lys Trp Glu Glu Phe Tyr Ile Ala Ala
85 90

<210> 6

<211> 96

<212> PRT

<213> Homo sapiens

<400> 6

Met Ser Ala Arg Gly Glu Gly Ala Gly Gln Pro Ser Thr Ser Ala Gln
1 5 10 15

Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro
20 25 30

Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala
50 55 60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro
65 70 75 80

Arg Lys Trp Pro Thr Ile Ala Leu Cys Thr His Trp Ile Asn Ile Cys
85 90 95

<210> 7

<211> 215

<212> PRT

<213> Homo sapiens

<400> 7

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Met Gly Lys Gly Asp Pro Lys Lys Pro Arg Gly Lys Met Ser Ser Tyr
1               5                  10                  15

Ala Phe Phe Val Gln Thr Cys Arg Glu Glu His Lys Lys Lys His Pro
            20                  25                  30

Asp Ala Ser Val Asn Phe Ser Glu Phe Ser Lys Lys Cys Ser Glu Arg
        35                  40                  45

Trp Lys Thr Met Ser Ala Lys Glu Lys Gly Lys Phe Glu Asp Met Ala
    50                  55                  60

Lys Ala Asp Lys Ala Arg Tyr Glu Arg Glu Met Lys Thr Tyr Ile Pro
65                  70                  75                  80

Pro Lys Gly Glu Thr Lys Lys Lys Phe Lys Asp Pro Asn Ala Pro Lys
                85                  90                  95

Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser Glu Tyr Arg Pro Lys
            100                 105                 110

Ile Lys Gly Glu His Pro Gly Leu Ser Ile Gly Asp Val Ala Lys Lys
        115                 120                 125

Leu Gly Glu Met Trp Asn Asn Thr Ala Ala Asp Asp Lys Gln Pro Tyr
    130                 135                 140

Glu Lys Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp Ile Ala
145                 150                 155                 160

Ala Tyr Arg Ala Lys Gly Lys Pro Asp Ala Ala Lys Lys Gly Val Val
                165                 170                 175

Lys Ala Glu Lys Ser Lys Lys Lys Lys Glu Glu Glu Glu Asp Glu Glu
            180                 185                 190

Asp Glu Glu Asp Glu Glu Glu Glu Glu Asp Glu Glu Asp Glu Asp Glu
        195                 200                 205

Glu Glu Asp Asp Asp Asp Glu
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<210> 8

<211> 147

<212> PRT

<213> Homo sapiens

<400> 8

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Met Ser Ala Arg Gly Glu Gly Ala Gly Gln Pro Ser Thr Ser Ala Gln
1               5                   10                  15

Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro
            20                  25                  30

Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro
        35                  40                  45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala
    50                  55                  60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro
65                  70                  75                  80

Arg Lys Trp Ala Gly Val Gln Trp Tyr Asn Leu Gly Ser Leu Gln Pro
                85                  90                  95

Pro Pro Pro Arg Phe Lys Gln Phe Ser Cys Leu Arg Leu Leu Ser Ser
            100                 105                 110

Trp Asp Tyr Arg His Pro Pro Pro His Pro Ala Asn Phe Cys Ile Phe
        115                 120                 125

Ser Arg Asp Arg Val Ser Pro Cys Trp Pro Gly Trp Ser Arg Thr Pro
    130                 135                 140

Asp Leu Arg
145
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<210> 9

<211> 106

<212> PRT

<213> Homo sapiens

<400> 9

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Met Ser Ala Arg Gly Glu Gly Ala Gly Gln Pro Ser Thr Ser Ala Gln
1               5                   10                  15

Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro
            20                  25                  30

Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro
        35                  40                  45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala
    50                  55                  60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro
65                  70                  75                  80

Arg Lys Trp Asp Asn Leu Leu Pro Arg Thr Ser Ser Lys Lys Lys Thr
                85                  90                  95

Ser Leu Gly Asn Ser Thr Lys Arg Ser His
            100                 105
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<210> 10

<211> 92

<212> PRT

<213> Homo sapiens

<400> 10

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Met Ser Ala Arg Gly Glu Gly Ala Gly Gln Pro Ser Thr Ser Ala Gln
1               5                   10                  15

Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro
            20                  25                  30

Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro
        35                  40                  45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala
    50                  55                  60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro
65                  70                  75                  80
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Arg Lys Trp Trp Leu Leu Met Lys Ser Pro Cys Trp
85 90

<210> 11

<211> 96

<212> PRT

<213> Homo sapiens

<400> 11

Met Ser Ala Arg Gly Glu Gly Ala Gly Gln Pro Ser Thr Ser Ala Gln
1 5 10 15

Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro
20 25 30

Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala
50 55 60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro
65 70 75 80

Arg Lys Trp Pro Gln Gln Val Val Gln Lys Lys Pro Ala Gln Tyr Ser
85 90 95

<210> 12

<211> 118

<212> PRT

<213> Homo sapiens

<400> 12

Met Ser Ala Arg Gly Glu Gly Ala Gly Gln Pro Ser Thr Ser Ala Gln
1 5 10 15

Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro
20 25 30

Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala
50 55 60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro
65 70 75 80

Arg Lys Trp Pro Gln Gln Val Val Gln Lys Lys Pro Ala Gln Val Asn
85 90 95

Val Ala Leu Pro Gly Lys Asp His Pro Gly Asn Leu Ile Tyr Leu Leu
100 105 110

Phe Ser Lys Asn Ala Thr
115

<210> 13

<211> 95

<212> PRT

<213> Homo sapiens

<400> 13

Met Ser Ala Arg Gly Glu Gly Ala Gly Gln Pro Ser Thr Ser Ala Gln
1 5 10 15

Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro
20 25 30

Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro
35 40 45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala
50 55 60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro
65 70 75 80

Arg Lys Trp Pro Gln Gln Val Val Gln Lys Lys Pro Ala Gln Asp
85 90 95

<210> 14

<211> 11

<212> PRT

<213> Homo sapiens

<400> 14

Thr Glu Lys Arg Gly Arg Gly Arg Pro Arg Lys
1 5 10

<210> 15

<211> 11

<212> PRT

<213> Homo sapiens

<400> 15

Thr Pro Lys Arg Pro Arg Gly Arg Pro Lys Gly
1 5 10

<210> 16

<211> 12

<212> PRT

<213> Homo sapiens

<400> 16

Thr Pro Gly Arg Lys Pro Arg Gly Arg Pro Lys Lys
1 5 10

<210> 17

<211> 11

<212> PRT

<213> Homo sapiens

<400> 17

Thr Glu Lys Arg Gly Arg Gly Arg Pro Arg Lys
1 5 10

<210> 18

<211> 11

<212> PRT

<213> Homo sapiens

<400> 18

Thr Pro Lys Arg Pro Arg Gly Arg Pro Lys Gly
1 5 10

<210> 19

<211> 12

<212> PRT

<213> Homo sapiens

<400> 19

Thr Pro Gly Arg Lys Pro Arg Gly Arg Pro Lys Lys
1 5 10

<210> 20

<211> 11

<212> PRT

<213> Homo sapiens

<400> 20

Pro Gln Lys Arg Gly Arg Gly Arg Pro Arg Lys
1 5 10

<210> 21

<211> 11

<212> PRT

<213> Homo sapiens

<400> 21

Ser Pro Lys Arg Pro Arg Gly Arg Pro Lys Gly
1 5 10

<210> 22

<211> 21

<212> PRT

<213> Homo sapiens

<400> 22

Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro Arg Lys Trp Pro Gln Gln
1 5 10 15

Val Val Gln Lys Lys
20

<210> 23

<211> 78

<212> PRT

<213> Homo sapiens

<400> 23

Pro Lys Lys Pro Arg Gly Lys Met Ser Ser Tyr Ala Phe Phe Val Gln
1 5 10 15

Thr Cys Arg Glu Glu His Lys Lys Lys His Pro Asp Ala Ser Val Asn
20 25 30

Phe Ser Glu Phe Ser Lys Lys Cys Ser Glu Arg Trp Lys Thr Met Ser
35 40 45

Ala Lys Glu Lys Gly Lys Phe Glu Asp Met Ala Lys Ala Asp Lys Ala
50 55 60

Arg Tyr Glu Arg Glu Met Lys Thr Tyr Ile Pro Pro Lys Gly
65 70 75

<210> 24

<211> 71

<212> PRT

<213> Homo sapiens

<400> 24

Pro Arg Gly Lys Met Ser Ser Tyr Ala Phe Phe Val Gln Thr Cys Arg

1 5 10 15

Glu Glu His Lys Lys Lys His Pro Asp Ala Ser Val Asn Phe Ser Glu
20 25 30

Phe Ser Lys Lys Cys Ser Glu Arg Trp Lys Thr Met Ser Ala Lys Glu
35 40 45

Lys Gly Lys Phe Glu Asp Met Ala Lys Ala Asp Lys Ala Arg Tyr Glu
50 55 60

Arg Glu Met Lys Thr Tyr Ile
65 70

<210> 25

<211> 73

<212> PRT

<213> Homo sapiens

<400> 25

Pro Lys Lys Pro Arg Gly Lys Met Ser Ser Tyr Ala Phe Phe Val Gln
1 5 10 15

Thr Cys Arg Glu Glu His Lys Lys Lys His Pro Asp Ala Ser Val Asn
20 25 30

Phe Ser Glu Phe Ser Lys Lys Cys Ser Glu Arg Trp Lys Thr Met Ser
35 40 45

Ala Lys Glu Lys Gly Lys Phe Glu Asp Met Ala Lys Ala Asp Lys Ala
50 55 60

Arg Tyr Glu Arg Glu Met Lys Thr Tyr
65 70

<210> 26

<211> 75

<212> PRT

<213> Homo sapiens

<400> 26

Pro Asn Ala Pro Lys Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser
1 5 10 15

Glu Tyr Arg Pro Lys Ile Lys Gly Glu His Pro Gly Leu Ser Ile Gly
20 25 30

Asp Val Ala Lys Lys Leu Gly Glu Met Trp Asn Asn Thr Ala Ala Asp
35 40 45

Asp Lys Gln Pro Tyr Glu Lys Lys Ala Ala Lys Leu Lys Glu Lys Tyr
50 55 60

Glu Lys Asp Ile Ala Ala Tyr Arg Ala Lys Gly
65 70 75

<210> 27

<211> 69

<212> PRT

<213> Homo sapiens

<400> 27

Pro Lys Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser Glu Tyr Arg
1 5 10 15

Pro Lys Ile Lys Gly Glu His Pro Gly Leu Ser Ile Gly Asp Val Ala
20 25 30

Lys Lys Leu Gly Glu Met Trp Asn Asn Thr Ala Ala Asp Asp Lys Gln
35 40 45

Pro Tyr Glu Lys Lys Ala Ala Lys Leu Lys Glu Lys Tyr Glu Lys Asp
50 55 60

Ile Ala Ala Tyr Arg
65

<210> 28

<211> 49

<212> PRT

<213> Homo sapiens

<400> 28

Pro Lys Arg Pro Pro Ser Ala Phe Phe Leu Phe Cys Ser Glu Tyr Arg
1 5 10 15

Pro Lys Ile Lys Gly Glu His Pro Gly Leu Ser Ile Gly Asp Val Ala
20 25 30

Lys Lys Leu Gly Glu Met Trp Asn Asn Thr Ala Ala Asp Asp Lys Gln
35 40 45

Pro

<210> 29

<211> 181

<212> PRT

<213> Homo sapiens

<400> 29

Glu Glu His Lys Lys Lys Asn Pro Asp Ala Ser Val Lys Phe Ser Glu
1 5 10 15

Phe Leu Lys Lys Cys Ser Glu Thr Trp Lys Thr Ile Phe Ala Lys Glu
20 25 30

Lys Gly Lys Phe Glu Asp Met Ala Lys Ala Asp Lys Ala His Tyr Glu
35 40 45

Arg Glu Met Lys Thr Tyr Ile Pro Pro Lys Gly Glu Lys Lys Lys Lys
50 55 60

Phe Lys Asp Pro Asn Ala Pro Lys Arg Pro Pro Leu Ala Phe Phe Leu
65 70 75 80

Phe Cys Ser Glu Tyr Arg Pro Lys Ile Lys Gly Glu His Pro Gly Leu
85 90 95

Ser Ile Asp Asp Val Val Lys Lys Leu Ala Gly Met Trp Asn Asn Thr
100 105 110

Ala Ala Ala Asp Lys Gln Phe Tyr Glu Lys Lys Ala Ala Lys Leu Lys
115 120 125

Glu Lys Tyr Lys Lys Asp Ile Ala Ala Tyr Arg Ala Lys Gly Lys Pro
130 135 140

```
Asn Ser Ala Lys Lys Arg Val Val Lys Ala Glu Lys Ser Lys Lys Lys
145                 150                 155                 160

Lys Glu Glu Glu Glu Asp Glu Glu Asp Glu Gln Glu Glu Glu Asn Glu
                165                 170                 175

Glu Asp Asp Asp Lys
            180
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<210> 30

<211> 225

<212> PRT

<213> Homo sapiens

<400> 30

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Met Ser Ala Arg Gly Glu Gly Ala Gly Gln Pro Ser Thr Ser Ala Gln
1               5                   10                  15

Gly Gln Pro Ala Ala Pro Ala Pro Gln Lys Arg Gly Arg Gly Arg Pro
            20                  25                  30

Arg Lys Gln Gln Gln Glu Pro Thr Gly Glu Pro Ser Pro Lys Arg Pro
        35                  40                  45

Arg Gly Arg Pro Lys Gly Ser Lys Asn Lys Ser Pro Ser Lys Ala Ala
    50                  55                  60

Gln Lys Lys Ala Glu Ala Thr Gly Glu Lys Arg Pro Arg Gly Arg Pro
65                  70                  75                  80

Arg Lys Trp Asn Thr Leu Glu Gln Cys Asn Val Cys Ser Lys Pro Ile
                85                  90                  95

Met Glu Arg Ile Leu Arg Ala Thr Gly Lys Ala Tyr His Pro His Cys
            100                 105                 110

Phe Thr Cys Val Met Cys His Arg Ser Leu Asp Gly Ile Pro Phe Thr
        115                 120                 125

Val Asp Ala Gly Gly Leu Ile His Cys Ile Glu Asp Phe His Lys Lys
    130                 135                 140

Phe Ala Pro Arg Cys Ser Val Cys Lys Glu Pro Ile Met Pro Ala Pro
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145 150 155 160

Gly Gln Glu Glu Thr Val Arg Ile Val Ala Leu Asp Arg Asp Phe His
165 170 175

Val His Cys Tyr Arg Cys Glu Asp Cys Gly Gly Leu Leu Ser Glu Gly
180 185 190

Asp Asn Gln Gly Cys Tyr Pro Leu Asp Gly His Ile Leu Cys Lys Thr
195 200 205

Cys Asn Ser Ala Arg Ile Arg Val Leu Thr Ala Lys Ala Ser Thr Asp
210 215 220

Leu
225

<210> 31

<211> 1873

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

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cggcaacccg gagcgcgcac cgcagccggc ggccgagctc gcgcatccca gccatcactc 180

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ttggcctcca agcaggaaaa ggacggcact gagaagcggg gccggggcag gccgcgcaag 300

cagcctccgg tgagtcccgg gacagcgctg gtagggagtc agaaggagcc cagcgaagtg 360

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acccggaaaa ccaccacaac tccaggaagg aaaccaaggg gcagacccaa aaaactggag 480

aaggaggaag aggagggcat ctcgcaggag tcctcggagg aggagcagtg acccatgcgt 540

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<210> 32
<211> 324
<212> DNA
<213> Homo sapiens

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<210> 33

<211> 1875

<212> DNA

<213> Homo sapiens

<220>

<221> misc_feature

<223> NCIB Accession No. M23616

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gcactgagaa gcggggccgg ggcaggccgc gcaagcagcc tccgaaggag cccagcgaag 360

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ccatcttcca cctgtgccct caccaccaca ctacacagca caccagccgc tgcaggggct 720

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aatatccttt tctgg 1875

<210> 34

<211> 291

<212> DNA

<213> Homo sapiens

<400> 34

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ccaacaccta agagacctcg gggccgacca aagggaagca aaaacaaggg tgctgccaag 180

acccggaaaa ccaccacaac tccaggaagg aaaccaaggg gcagacccaa aaaactggag 240

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<210> 35

<211> 4111

<212> DNA

<213> Homo sapiens

<400> 35

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<210> 37

<211> 252

<212> DNA

<213> Homo sapiens

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ggtgagccct ctcctaagag acccagggga agacccaaag gcagcaaaaa caagagtccc 180

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<211> 273

<212> DNA

<213> Homo sapiens

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ggtgagccct ctcctaagag acccagggga agacccaaag gcagcaaaaa caagagtccc 180

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<210> 39

<211> 291

<212> DNA

<213> Homo sapiens

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ggtgagccct ctcctaagag acccagggga agacccaaag gcagcaaaaa caagagtccc 180

tctaaagcag ctcaaaagaa agcagaagcc actggagaaa aacggccaag aggcagacct 240

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<213> Homo sapiens

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<211> 648

<212> DNA

<213> Homo sapiens

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<210> 42

<211> 444

<212> DNA

<213> Homo sapiens

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tctcgaactc ctgacctcag gtga 444

<210> 43

<211> 321

<212> DNA

<213> Homo sapiens

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ggtgagccct ctcctaagag acccagggga agacccaaag gcagcaaaaa caagagtccc 180

tctaaagcag ctcaaaagaa agcagaagcc actggagaaa aacggccaag aggcagacct 240

aggaaatggg acaatctact accaagaacc agctccaaga agaaaacatc tctgggaaac 300

agtaccaaaa ggagtcactg a 321

<210> 44

<211> 279

<212> DNA

<213> Homo sapiens

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ggtgagccct ctcctaagag acccagggga agacccaaag gcagcaaaaa caagagtccc 180

tctaaagcag ctcaaaagaa agcagaagcc actggagaaa aacggccaag aggcagacct 240

aggaaatggt ggttgctaat gaagagcccg tgctggtga 279

<210> 45

<211> 291

<212> DNA

<213> Homo sapiens

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tctaaagcag ctcaaaagaa agcagaagcc actggagaaa aacggccaag aggcagacct 240

aggaaatggc cacaacaagt tgttcagaag aagcctgctc agtattcctg a 291

<210> 46

<211> 357

<212> DNA

<213> Homo sapiens

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gggaaggacc acccgggcaa tcttatatat ctactgttct ctaaaaatgc cacttag 357

<210> 47

<211> 288

<212> DNA

<213> Homo sapiens

<400> 47
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<210> 48

<211> 33

<212> DNA

<213> Homo sapiens

<400> 48
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<210> 49

<211> 33

<212> DNA

<213> Homo sapiens

<400> 49
acacctaaga gacctcgggg ccgaccaaag gga 33

<210> 50

<211> 36

<212> DNA

<213> Homo sapiens

<400> 50

actccaggaa ggaaaccaag gggcagaccc aaaaaa 36

<210> 51

<211> 33

<212> DNA

<213> Homo sapiens

<400> 51
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<210> 52

<211> 33

<212> DNA

<213> Homo sapiens

<400> 52
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<210> 53

<211> 36

<212> DNA

<213> Homo sapiens

<400> 53
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<210> 54

<211> 33

<212> DNA

<213> Homo sapiens

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<210> 55

<211> 33

<212> DNA

<213> Homo sapiens

<400> 55
tctcctaaga gacccagggg aagacccaaa ggc 33

<210> 56

<211> 63

<212> DNA

<213> Homo sapiens

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aag 63

<210> 57

<211> 234

<212> DNA

<213> Homo sapiens

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tcagagaggt ggaaggtaag agggcttaaa acatgctaac aaggtaatta aaagacagtt 180

tccaattgag gatgcaaaaa aaagcctagt tggcattctc gtagtgggac gcta 234

<210> 58

<211> 213

<212> DNA

<213> Homo sapiens

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<210> 59

<211> 219

<212> DNA

<213> Homo sapiens

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tcagagaggt ggaagaccat gtctgctaaa gagaaaggaa aatttgaaga tatggcaaag 180

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<210> 60

<211> 225

<212> DNA

<213> Homo sapiens

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atgtggaata acactgctgc agatgacaag cagccttatg aaaagaaggc tgcgaagctg 180

aaggaaaaat acgaaaagga tattgctgca tatcgagcta aagga 225

<210> 61

<211> 207

<212> DNA

<213> Homo sapiens

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aacactgctg cagatgacaa gcagccttat gaaaagaagg ctgcgaagct gaaggaaaaa 180

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<210> 62

<211> 147

<212> DNA

<213> Homo sapiens

<400> 62
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ggagaacatc ctggcctgtc cattggtgat gttgcgaaga aactgggaga gatgtggaat 120

aacactgctg cagatgacaa gcagcct 147

<210> 63

<211> 546

<212> DNA

<213> Homo sapiens

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<210> 64

<211> 678

<212> DNA

<213> Homo sapiens

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gcgagcactg acctttag 678

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